

Title (en)

ALUMINIUM ALLOYS, SUBSTRATES COATED WITH SAME AND THEIR APPLICATIONS

Title (de)

ALUMINIUMLEGIERUNGEN SOWIE MIT DIESEN LEGIERUNGEN BESCHICHTETE SUBSTRATE UND IHRE VERWENDUNGEN

Title (fr)

ALLIAGES D'ALUMINIUM, LES SUBSTRATS REVETUS DE CES ALLIAGES ET LEURS APPLICATIONS

Publication

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Application

EP 92904842 A 19920115

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Abstract (en)

[origin: WO9213111A1] Alloys, the essential constituent of which is aluminium, metal deposits using on said alloys, substrates coated with same and their application. The alloys of the present invention are characterized by having the following atomic composition (I): $\text{Ala?Cub?Cob'?(B, C)c?Md?Ne?If?}$, $a + b + b' + c + d + e + f = 100$ number of atoms, $a \leq 50$, $0 < b < 14$, $0 < b' \leq 22$, $0 < c \leq 5$, $8 \leq d \leq 30$, $0 \leq e \leq 4$, $f \geq 2$, M being one or more elements selected from Fe, Cr, Mn, Ni, Ru, Os, Mo, V, Mg, Zn, Pd; N being one or more elements selected from W, Ti, Zr, Hf, Rh, Nb, Ta, Y, Si, Ge, the rare earths; I being the impurities inevitably formed during processing; and in that they contain at least 30 % in mass of one or more quasicrystalline phases.

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Citation (examination)

US pages 6525 - 6528; C. BERGER ET AL: 'EXPERIMENTAL EVIDENCE FOR THE EXISTENCE OF ENHANCED DENSITY OF STATES AND CANONICAL SPIN-GLASS BEHAVIOR IN AL-MN(-SI) QUASICRYSTALS'

Cited by

DE10332420A1; FR2939125A1; FR2939126A1; EA022538B1; US6589370B1; US7169478B2; WO2010063930A1

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